



State of Vermont

Enterprise GIS Consortium

Annual Report – FY 2010

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Document History

Version	Date	Author(s)	Revision Notes
DRAFT1	7/9/2010	Steve Sharp, VCGI	Draft FY'10 Annual Report released for review by EGC
DRAFT2	7/12/2010	Steve Sharp, VCGI	Revisions based on input from EGC members.
FINAL	7/22/2010	Steve Sharp, VCGI	Integrated edits provided by Peter Telep (ANR). Released final version for approval by EGC members.
FINAL	8/6/2010	Steve Sharp, VCGI	Final approved by EGC members via E-vote (email voting).

Executive Summary

This report documents the initiatives and accomplishments of Vermont's Enterprise GIS Consortium (EGC) in FY'2010. The EGC had another productive year, continuing efforts to foster efficient and effective use of the State's geospatial capabilities. The EGC made significant headway in a number of areas, including data access and sharing, imagery caching, and a SharePoint website.

The EGC is a voluntary consortium of state government organizations focused on effective management of State's Enterprise Geographic Information System (GIS). The EGC was chartered¹ by the State of Vermont in August 2008, culminating a yearlong strategic planning effort managed by the Enterprise GIS Taskforce² (EGT). The EGC has established a realistic and effective Enterprise GIS Strategic Plan³ (referred to as the *Plan* herein); a vision and a plan that supports a wide range of needs within state government. The Plan is an important part of the state's '*comprehensive strategy*' for the development and use of Vermont's Geographic Information System (VGIS)⁴. The VGIS represents a broad spectrum of geospatial activities and constituencies throughout the state of Vermont, including academic, town, regional, non-profit, state, private sector, and the general public. The Plan articulates a strategic vision for the development and use of geospatial technology within state government; a critical component of the VGIS.

FY'2010 Accomplishments

- 1) **Vermont Enterprise GIS Consortium (EGC):** The EGC held monthly meetings throughout FY 2010. This allowed the EGC to maintain momentum on a number of work items identified in the FY 2010 Business Plan⁵. The EGC alternated between face-to-face and conference-call meetings to save on travel costs.
 - ***Strategic Plan Alignment: Meets Objective 1***
- 2) **Data Access & Sharing:** The EGC continued to support Phase I implementation of the Data Exchange Protocol established in FY 2009. The Phase I implementation supports the "offline" exchange of file-based and ArcSDE datasets. The EGC began to lay the foundation for a more automated data exchange system (called "Phase II" in the Data Exchange Protocol). VCGI, ACCD, and ANR have opened up access to their respective ArcSDE instances, which will enhance data access and sharing. These accomplishments addressed work item #1 in the 2010 Business Plan.
 - ***Strategic Plan Alignment: Meets Objective 10, 12***

¹ http://www.vcgi.org/egc/EGC_Charter_2008A_final.pdf

² The EGT has been replaced by the EGC.

³ http://www.vcgi.org/egc/EnterpriseGIS_SP_v2008A.pdf

⁴ Vermont Statute (Title 10 VSA - Chapter 8 § 121)

⁵ http://www.vcgi.org/egc/EGC_BusinessPlan_FY2010_final.pdf

- 3) **Web Mapping Assessment:** The State Chief Information Officer (CIO) asked the EGC to conduct an assessment of web mapping technologies and solutions available to State government. The EGC responded by establishing a Web Mapping Workgroup (WMW). Online surveys were used to evaluate the needs of State agencies. The WMW then assessed several prominent web mapping technologies and contrasted them to the State's needs. The final assessment document evaluated four industry leading web mapping options available to the State; Microsoft's Bing Maps, Google Maps, ESRI's web mapping solutions, and OpenLayers. The assessment evaluated these solutions against four criteria; 1) type of services provided; 2) development considerations; 3) the cost of the solution; 4) integration with existing state geographic technology investments. These accomplishments addressed work item #9 in the 2010 Business Plan.

- *Strategic Plan Alignment: Meets Objective 11*

- 4) **Map Cache Services:** VCGI in cooperation with the EGC has developed a set of "map caches" of Vermont's aerial photography (imagery). Caches are pre-generated image tiles at specific map scales. Map caches are designed to improve rendering speeds for users. Panchromatic (black & white) and color imagery caches of "best available" imagery (in State Plane Meters NAD83) have been released in beta form. The map caches are publicly accessible via a set of ArcGIS Server services. Users can utilize the map caches in their GIS environment or to create web mashups. The EGC will be building additional map caches in a Web Mercator projection to support mashups with other popular web mapping solutions such as Google or Bing. These accomplishments addressed work item #8 in the 2010 Business Plan.

- *Strategic Plan Alignment: Meets Objective 10, 12*

- 5) **EGC GeoPoint web portal:** In 2010 the EGC initiated the development of a SharePoint website leveraging the State's SharePoint services. The site is called GeoPoint. The objective is to build an Enterprise GIS web portal that will support EGC initiatives and will act as a central reference point for Enterprise GIS data and resources. A beta version of the site has been built and is in the process of being tested and fully populated with content. These accomplishments addressed work item #4 in the 2010 Business Plan.

- *Strategic Plan Alignment: Meets Objective 12, 18*

- 6) **Parcel data:** VCGI worked with Vermont's Regional Planning Commissions (RPCs) to make municipal parcel data layers more easily accessible. RPCs coordinated with the towns in their region and forwarded existing parcel data to VCGI. Most regions and towns participated. The data was loaded into the VGIS Data Warehouse and is available for download. New or updated parcel layers will be uploaded once a year. These accomplishments addressed work item #13 in the 2010 Business Plan.

- *Strategic Plan Alignment: Meets Objective 9*

Conclusion

The State's Enterprise GIS Consortium (EGC) has continued to make significant strides toward advancing the "efficient use of the state's Geographic Information Technology sources". It has furthered this goal by improving and simplifying access to geospatial data and services, and by providing a venue where agencies can coordinate efforts. The EGC is especially proud of its Enterprise GIS Web Portal (EGC GeoPoint), and look forward to its forthcoming release in FY'2011. The EGC anticipates that FY'2011 will be another productive year.

Attachment A – EGC Member Directory

ORGANIZATION	CONTACT	ADDRESS	EMAIL	PHONE
US Geological Survey (USGS)	Lin Neifert	617 Comstock Rd. Suite 7 Berlin, VT 05602	lineifert@usgs.gov	802-522-8275
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VT Agency of Human Services	Robert Bower	103 S Main St. Waterbury, VT 05671	Robert.Bower@ahs.state.vt.us	802-241-4602
VT Agency of Natural Resources	Peter Telep	103 S. Main St. 30 Laundry Bldg. Waterbury, VT 05671	peter.telep@state.vt.us	802-241-3406
VT Agency of Transportation	Rick Scott	1 National Life Dr. Montpelier, VT 05633-5001	rick.scott@state.vt.us	802-828-3969
VT Association of Planning & Development Agencies	VAPDA Representative - Dan Currier	29 Main St. Suite 4 Montpelier, VT 05602	currier@cvregion.com	802-229-0389
VT Center for Geographic Information	Steve Sharp	58 South Main St. Suite 2 Waterbury, VT 05676	steves@vcgi.org	802-882-3000
VT Department of Information and Innovation	Darwin Thompson	133 State Street 5th Floor Montpelier, VT 05633	darwin.thompson@state.vt.us	802-828-1142
VT Enhanced 9-1-1 Board	Jeremy McMullen	94 State St. Montpelier, VT 05620-6501	jeremy.mcmullen@state.vt.us	802-828-4911